



Summary of Changes to the LFUCG Stormwater Manual August 29, 2011

The changes below have been made to Chapter 2 and 11 of the LFUCG Stormwater Manual to ensure consistency with the new LFUCG ordinance entitled "Reduction of Soil Erosion" in Chapter 16, Article X, Division 5 of the Code of Ordinances; Kentucky's KYR10 permit for construction activities; and the KY BMP Manual.

2.1 – References to "Grading Permit" were changed to "Land Disturbance Permit".

11.1.1 Regulatory Basis - Revised the narrative to reference the Code of Ordinances.

11.2.1 Permitting Process – This section was added and the old text was deleted.

11.3 Erosion and Sediment Control Plans – Revised narrative to indicate when an erosion and sediment control plan is needed.

11.3.1 Written Description – Revised to be consistent with the ordinance.

11.3.2 Site Map – Revised to be consistent with the ordinance.

11.4.1 Mulch – material specifications for wood chips revised to conform to the KY BMP Manual.

11.4.3 Permanent Seed – The criteria for requiring reseeding was changed from 85% of groundcover to 70% of groundcover to conform to KYR10.

11.4.4 Sod – Sod application criteria and material specifications revised to conform to the KY BMP Manual.

11.4.10 Temporary Diversion Ditch – Design storm changed from 10 year-6 hour to 10 year-24 hour to conform to the KY BMP Manual. Construction specifications modified to conform to the KY BMP Manual.

11.4.12 Pipe Slope Drains – Design criteria changed to specify pipe size for given drainage area to conform to the KY BMP Manual. The basis for requiring maintenance of sediment



traps was changed from 1/2 of the design volume to 1/3 of the design volume to conform to the KY BMP Manual.

11.5.1 Check Dams – The criteria for requiring maintenance, based on the depth of sediment, was changed from 1/2 of the original height of the dam to 1/3 of the original height to conform to the KY BMP Manual.

11.5.2 Sediment Traps - General design criteria was updated for design storms. The minimum capacity of the sediment trap to the elevation of the crest of the spillway was changed from 3600 cubic feet to the runoff volume from the 2-year, 24-hour storm to conform to KYR10. The maintenance level to require sediment removal was changed from 1/2 of the design volume to 1/3 third of design volume.

11.5.3 Sediment Ponds

- Maximum drainage area was revised from 100 acres to 120 acres to conform to the KY BMP Manual
- Design criteria clarified to require 80 percent removal of total suspended solids for the 10-year, 24-hour storm, or a detention time of 24-48 hours for the 10-year, 24-hour storm, to conform to the KY BMP Manual
- Minimum capacity of the sediment pond to the elevation of the crest of the pipe spillway was changed from 3600 cubic feet to the runoff volume from the 2-year, 24-hour storm to conform to KYR10
- Minimum top width of embankment changed from 10' to 12' to conform to the KY BMP Manual
- Minimum size of the pipe spillway was changed to 12" to conform to the KY BMP Manual.
- Basis for requiring maintenance for sediment removal was changed from 1/2 of the design volume to 1/3 of the design volume to conform to KYR10

11.5.4 Silt Fence – Material specifications for 'Filtering Efficiency' changed from 75% to 80% to conform to KYR10. Maintenance of silt fence changed to require removal of sediment when deposits reach 1/3 (versus 1/2) of the barrier height to conform to KYR10.



11.5.5 Storm Drain Inlet Protection – Maintenance requirements changed to require maintenance at 1/3 (versus 1/2) of the design depth of the filter to conform to KYR10.